ABSTRACT OF THE DISCLOSURE

Every entry of a flow table has the following fields: a source IP address; a destination IP address; a protocol number; an identification; a source port number; a destination port number; a payload type; and SSRC information. An RTP-judging unit judges, when IP packets having a characteristic of a RTP header have been inputted continuously for predetermined time, that each of the IP packets includes an RTP packet. A packet-classifying unit classifies an inputted IP packet according to a judgment result by the RTP-judging unit and a pre-defined packet-classifying-rule.